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DATE MAILED: 10/04/2010

#### NOTICE OF ALLOWANCE AND FEE(S) DUE

 94145
 7590
 1064/2010
 EXAMINIE

 Fish & Richardson PC
 P.O.Box 1022
 ART UNIT
 PAPER NUMBER

 Minneapolis, MN 55440
 3454
 3454

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

10/720,742 11/24/2003 Lawrence W. Yonge III 04838-07700I 274I

TITLE OF INVENTION; MEDIUM ACCESS CONTROL LAYER THAT ENCAPSULATES DATA FROM A PLURALITY OF RECEIVED DATA UNITS INTO A PLURALITY OF INDEPENDENTLY TRANSMITTABLE BLOCKS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/04/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless correcte maintenance fee notifical	correspondence includir ed below or directed oth	or transmitting the 13 ig the Patent, advance nerwise in Block 1, by	e orders and notification of y (a) specifying a new corre	maintenance fees w spondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
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94145 Fish & Richard P.O.Box 1022 Minneapolis, MI	lson PC	V2010	I b	Cert	ificate	of Mailing or Transi	
							(Depositor's name)
			<u> </u>				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/720,742	11/24/2003		Lawrence W. Yonge III		04838-077001 2741		
TITLE OF INVENTION UNITS INTO A PLURA			THAT ENCAPSULATES ABLE BLOCKS	DATA FROM A P	LURA	LITY OF RECEIVED	D DATA
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	0 \$1810		01/04/2011
EXAM	INER	ART UNIT	CLASS-SUBCLASS	1			
PATEL, C		2454	709-200000	-			
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 22 or more recent) attach	mge of Correspondenc  "Indication form ed. Use of a Custome  A TO BE PRINTED O	e or agents OR, alternat	o 3 registered patentively, the firm (having as a agent) and the name orneys or agents. If it printed.	memb es of u no nam	er a 2 p to se is 3	cument has been filed for
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4a. The following fee(s) are submitted:    Issue Fee   Publication Fee (No small entity discount permitted)   Advance Order - # of Copies			4b. Payment of Fee(s): (Ple	rd. Form PTO-2038 y authorized to chan	is atta	ched. required fee(s), any def	
	s SMALL ENTITY state	as. See 37 CFR 1.27.	☐ b. Applicant is no los				
interest as shown by the	d Publication Fee (if req records of the United Sta	ites Patent and Tradem	pted from anyone other than tark Office.	tne appucant; a regu	sterea :	attorney or agent; or th	e assignee or other party in
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This collection of inform an application. Confident submitting the completes this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but friginia 22313-1450. DC 13-1450.	CFR 1.311. The inform U.S.C. 122 and 37 Cl USPTO. Time will v rden, should be sent to D NOT SEND FEES C	ation is required to obtain or FR 1.14. This collection is es ary depending upon the indi of the Chief Information Offic OR COMPLETED FORMS T	retain a benefit by the stimated to take 12 n vidual case. Any co- er, U.S. Patent and O THIS ADDRESS	ne publ ninutes mment Fraden . SENI	ic which is to file (and to complete, including s on the amount of tin nark Office, U.S. Depa D TO: Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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APPLICATION NO	).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/720,742		11/24/2003	Lawrence W. Yonge III	04838-077001	2741	
94145	7590	10/04/2010		EXAMINER		
Fish & Richardson PC			PATEL, CHIRAG R			
P.O.Box 1022				ART UNIT	PAPER NUMBER	
Minneapolis, MN 55440			2454			
DATE MAILED: 10/04/2010				0		

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Application No. Applicant(s) 10/720 742 YONGE ET AL. Notice of Allowability Examiner Art Unit CHIRAG PATEL 2454 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to August 4, 2010. The allowed claim(s) is/are 1,3 and 8-70 renumbered as 1-65. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) \( \subseteq \text{Some\* c} \) \( \subseteq \text{None of the:} \) a) $\square$ All 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). T Examiner's Amendment/Comment Paper No./Mail Date 9/7/10

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

of Biological Material

☐ Examiner's Comment Regarding Requirement for Deposit

9. Other\_\_\_\_.
/NATHAN\_FLYNN/

8. X Examiner's Statement of Reasons for Allowance

Supervisory Patent Examiner, Art Unit 2454

Application/Control Number: 10/720,742

Art Unit: 2454

### Allowable Subject Matter

Claims 1, 3, and 8-70 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: A thorough review of the prior art fails to disclose, "" dividing the encapsulated stream into a plurality of sub-blocks, forming a plurality of pieces, with each piece including one or more sub-blocks, to provide pieces capable of being independently retransmitted, and supplying low level data units, at least some of the low level data units each containing a plurality of the pieces that include the sub-blocks into which the encapsulated content was divided, and at least some of the low level data units containing boundary demarcation information indicating boundaries between the sub-frames in the stream."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chirag R Patel whose telephone number is (571)272-7966. The examiner can normally be reached on Monday to Friday from 8:00AM to 4:30PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn, can be reached on (571) 272-1915.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through

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Art Unit: 2454

Private PAIR only. For more information about the PAIR system, see

http://pairdirect.uspto.gov. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197

(toll free).

/C. P./

Examiner, Art Unit 2454

/NATHAN FLYNN/

Supervisory Patent Examiner, Art Unit 2454